

"Dedicated to Public Service"

THE RADIATOR



W6RHC
IRL #8170
Echolink #322788



<http://www.gearsw6rhc.org>

P.O.Box 508 Chico, CA 95927-0508

Founded: August 13 1939

75 YEARS

March, 2015

Coming Events

O.A.R.S. GENERAL MEETING

Second Friday, every month, at 7:00 p.m., at St. Paul's Church Parrish Hall, 1430 Pine St., Oroville

G.A.R.S. Second Wednesday, each month, General Meeting, Lutheran Church Hall, Artois; 7:00

G.E.A.R.S General Meeting, third Friday each month, at Butte County Search and Rescue Building, Chico. Doors open at 6:30 p.m.

Butte A.R.E.S. MEET: fourth Friday, monthly, at Butte County Search and Rescue Building.

FCC EXAMS - GEARS VEC

First Sunday of every even numbered month.
At the Butte County Search and Rescue Building.
Written test at 2:00 p.m. For information or pre-registration call Tom Rider-W6JS, (530) 893-9211.

Club Events:

News and items of interest
GEARS Calendar...all inside.

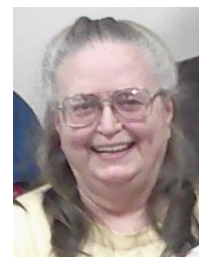
Website: www.gearsw6rhc.org



Picture courtesy EVARC

The Prez' Says:

Anna KG6ZOA



Board of Directors Meeting: Feb 20 2015

ATTENDANCE: Anna Horn and Tom Rider not present.

MEMBERSHIP APPLICATIONS:

Renewal	New
Michael and Hannelore Maddox	Mathew Ward

OLD BUSINESS:

IRLP Bill needs to be re-submitted again.

NEW BUSINESS:

Bill for new web site for the next year \$228. A discussion on our current web site was held on looking into a future system.

Effective February 17, the FCC no longer routinely issues paper license documents to Amateur Radio applicants and licensees. The FCC will continue to provide paper license documents to all licensees who notify the Commission that they prefer to receive one, but what arrives in the mail now will be printed on plain white recycled paper, instead of the more distinctive stock the FCC had been using until recently. All of this is part of the FCC's efforts to streamline procedures and save money.

ADJOURNMENT: 21:53 hr.

Dale Anderson,
Secretary

**MINUTES OF GENERAL MEETING for Feb 20 2015**

PROGRAM: What the heck is IRLP? By Scott Petersen KE6VOS.

ATTENDANCE: Anna Horn out for eye surgery.

Michael Kaliczak of Butte County Sheriff's Comm Reserve informed us that they have moved their repeater from Platte Mt. to Bloomer Hill and made improvements to their system, it is also linked to the HI Lakes area repeater 146.700 MHz same PL as W6SCR repeater.

VEC: Three people have taken the technician test -two passed. The one that did not pass has said that he will return with possible one or two more people for the next exam.

MINUTES: Approved the minutes from Jan meeting.

TREASURER:

Rick Hubbard has requested that last months report be accepted but that there are some issues to be worked out. Report was accepted.

OLD BUSINESS:

Website hits were reset on 31 Dec. but Stephen has not checked the numbers yet.

Parts for the home brew buddypole are delayed by the dock workers strike.

Still need another auditor to help Evelyn but the audit has been put on hold until issues with the books have been worked out.

Kent Jorgensen has wood from the Hooker Oak tree if anyone would like piece to make call sign placards.

Update on the Yaesu interface, it is in the mail, expect delivery by Monday, Tuesday at the latest.

NEW BUSINESS:

Thanks to Dale for the donation of the repeater interface.

Wildflower has not had their first meeting yet. Dale has volunteered to be co-chairman. Wildflower is the fourth Sunday in April.

Continued on page 15:



? KK6EVM-Dal W6AKF-Stephen



W6LYX-Don KD6GTE-Klaus KG6KUO
Lester



W6B-Dick N6FAV-Michael



KJ6IOD -Weldon ?? ?



KG6TSO-Bessie



KE6VUS-Scott



MICHAEL KALICZAK,
N6NIX – BCSCR



Billie Jorgensen KF6ONI-Kent



K6QGN-Jim KG6MRK-Raymond

Photos: from February Meeting,
Compliments of K6QXC-Evelyn Weir

GEARS - Meet a Member - W6AKF - Stephen McDermott



W6AKF, Stephen McDermott, has been a member of GEARS for almost 40 years. He was born in 1946, at the classic start of the "baby-boom" generation. Interestingly, his brother, Bruce, was born just four and a half months earlier. (There's a riddle for you.)

Stephen's interest in the world of radio was first sparked when he was 13 years old, after he received a small RCA AM radio for Christmas. He spent hours scouring the AM band from one end to the other, and carefully documented every station he could hear.

Stephen's uncle Horton was a ham radio operator, W6EPZ, and when uncle Horton came to visit, Stephen asked him how he could improve the sensitivity of the little AM radio. Uncle Horton's answer inspired Stephen to build a carefully constructed "long-wire" antenna in the back yard, complete with home-brew insulators, and a lamp-wire feed-line.

The little AM radio didn't have any obvious way to hook up an external antenna, so Stephen just wrapped the lamp-wire around the radio a few times. That improved the reception quite a bit. But a short time later, when he accidentally touched the tip of the antenna wire to the edge of the earphone jack, the little radio suddenly sprang to life with a whole new world of exotic signals. The difference was like night and day. The sky opened up, and young Stephen was completely hooked on radio.

Before long, Stephen had collected dozens of QSL cards, from AM stations all across the country. When uncle Horton heard that, he promised Stephen a great surprise on his next visit, which turned out to be a very well-worn general-coverage receiver, adorned with mysterious un-labeled knobs and switches. Uncle Horton told young Stephen it was his job to figure out the function of each control, and to prepare to be tested on the next visit.

Stephen enjoyed that big beast of a radio for several years until he moved away from home and joined the Army at age 19. After finishing his military service in the early 1970's, Stephen and his friends made a brief foray into the world of CB. He quickly realized that he had no interest in being involved in what he was hearing on CB, but it completely rekindled his interest in becoming a licensed amateur radio operator.

Stephen and two friends signed up for a ham radio class at Butte College. At the end of the three month class, all three passed the written test, and the Morse code test at 5 WPM. Three more months later, when he received his Novice license from the FCC, he gave away all of his CB gear, and never looked back. The three friends all live in different states now, but they are still friends after four decades, and keep in touch via ham radio.

After his service in the Army, Stephen worked for awhile as a security guard checking IDs at the door of the newly opened Holiday Inn bar. He knew who the regulars were, and everybody knew his name.

One night a lady ran in yelling that there was a man at the bottom of the swimming pool. Stephen dove in and brought the man up to the surface. The man wasn't breathing, and was starting to turn blue. Stephen gave him mouth-to-mouth resuscitation and the man regained consciousness. Paramedics arrived, took the man to the hospital, and he made a full recovery, although the man had no memory of Stephen saving his life. Stephen

remembers it all clearly, however, including that the man had been drinking Champagne. "It was definitely Champagne", Steven said, "I could taste it." Soon after that, Stephen decided to go to college, and start a new career.

After he graduated from California State University, Chico, Stephen worked at the university in the Instructional Media Lab, and in remote-learning classrooms as a technical expert, for 30 years, until he retired in 2010.

Stephen has seen a lot of changes in ham radio over the years, the addition of the WARC bands, 60-meters, and the VEC program, to name just a few. To upgrade his licenses, Stephen took most of his FCC tests in a big, intimidating federal building, sitting face-to-face with a steely-eyed FCC examiner. Over the years, Stephen has successfully earned every class of Amateur radio license available. He remembers the test for the Advanced class license was the most difficult, even harder than the test for the Extra class.

Stephen has been recognized for a wide variety of ARRL awards; one WAC, two DXCCs, several flavors of WAS, and many contests and events. He says working towards a WAS award is a good way to sharpen your operating skills. He is currently working towards his fifth WAS, on 17-meters.

Stephen's tidy shack features a Kenwood TS-590 for HF, paired with a Yaesu FT-2100B amp that glows in the dark. He bought the amp brand new in 1979, and it still has the original tubes. A matching FT-101EE radio, in mint condition, sits on a nearby shelf. He said, "All hams should have a glow in the dark rig." A small bookcase displays a variety of antique vacuum tubes, and other small, interesting ham radio museum pieces.

For 2-meters, Stephen likes the Icom V8000. He has one in each of his two vehicles, one installed in the garage, and one he can take out on his backyard deck when the weather is nice. Each V8000 has a separate antenna, including the one he built himself, using wire coat-hangers. In an emergency, his station runs on two deep-cycle batteries if necessary, which he can use on 2-meters and HF.

Stephen is an original old-school ham, a pure "HF guy" at heart. He enjoys talking on all of the HF bands; 80-meters at night, 40-meters during the day, and 20-meters almost any time. He enjoys talking with local hams on 2-meters, but he doesn't feel any need for 220 or 440, and he prefers repeaters that are local, not linked. He also enjoys refurbishing and restoring old ham antennas, and he's interested in trying keyboard CW.

For Stephen, if it touches the Internet, it's not "real" ham radio. When I asked if he was interested in any digital modes, he said, "I am a grumpy old dog, and you can't teach old dogs new tricks." But he said it with a twinkle in his eye, and I suspect he still has a few tricks hidden up his sleeve. (Riddle answer: Stephen and his brother are both adopted.)

When I asked Stephen for a final word of wisdom, he said "There are no great men, only great challenges ordinary men are forced by circumstances to meet." - William Halsey

In addition to ham radio, in his spare time Stephen enjoys target shooting, growing green beans and tomatoes in his garden, and sharing his peaceful, tidy house in Magalia with his Maine Coon cat, Miss Marble.

Authored by: N6FAV-Michael Favor



At GARS: JOEL WILSON –KJ6DIF—MYSTERY PROJECT

Joel Wilson-kj6dif- presented his “mystery” program.

Joel described his recent home experiment in which he utilized only materials he could find at his home in order to build a new feed line to his Loop Antenna, (300 Ohm) located approximately 100 feet from his house, in his orchard. He was unhappy with the feedback and noise in his existing antenna system.



Joel did not want to expend dollars for coax (very expensive) or ladderline (also expensive). He did have a significant supply of excess 12 gauge Romex. So he decided on the Romex, as a twin lead feed line. “Why Not give it try,” he thought, so he did.

He utilized the 12 gauge Romex, used 5”x 5/8 bolts as chokes, grounding one end in the field and the other end at his shack with copper rod. Joel reports his end product has virtually no loss and far less noise. He has transmitted and received on 20 meters, & 40 meters. His first contact was with a Ham in Europe!

Joel displayed a small prototype of his finished project, as shown above, except he noted, his actual finished feed line does not contain a loop.

Joel reports his new system is absolutely “smoken hot!”

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A PAGE FROM THE PAST: MINUTES OF DECEMBER 17, 1976

G.E.A.R.S. MEETING

17 December '76

The meeting was called to order at 7:45 p.m. in Melody Hall, Chico, by President Harl Goodsell, K6JQD. 44 members and guests were present.

Treasurer George Lewis, K6IF, reported a net total of \$615.21 was in the vault.

Announcements. Rich Scoble, WA6NKQ, introduced Al Albertson who had just passed his Extra Class exam. Tom and Ronnie Foster passed the Novice exam. These gentlemen are products of the ham radio class at Butte College. Classes will again be offered on Tuesday and Thursday evenings.

Radio Shack has donated a Gonset G-76 to the Club. This might be sold or used as a loaner to new hams.

Old Business. Jack La Flesh, WB6CQF, and John Satterfield, WB6JRT, reported on preparations for a hamfest. The Holiday Inn can handle a group of 400-500 people with 300 for a banquet on June 25, 1977. Considerable discussion revolved around the date which is the Field Day weekend and an alternative site such as Bidwell Park. WB6MRQ moved: "GEARS shall hold a hamfest in the summer of 1977." The motion was seconded by WB6CQF and passed by a handy majority. A second motion was made: "The hamfest shall be held on June 25, 1977, at the Holiday Inn." It was seconded and defeated. The committee was instructed to present another plan at the next meeting.

New Business. The Nominations Committee submitted nominees for club offices, and the nominees were unanimously voted into office. They are:

President: Al Biegler, WA6WJZ
Vice-President: Steve Eggert, K6RYB
Secretary: John Satterfield, WB6JRT
Treasurer: Irene Eggert, WB6GZI.

The regal sign of authority, a flat 4-1000A, passed from K6JQD to WA6WJZ at 8:50 p.m.

Program. Rich Scoble, WA6NKQ, exploded the secrets of the manufacture of micro-sized integrated circuits.

Respectfully submitted,

Charles G Bird

Charles G. Bird, K6HTM
Secretary

[Make your own dipoles with these center insulators](#), By Dan Romanchik, KB6NU

One of the things that always gets my goat is the price some companies charge for dipole antennas. It's not that they're charging an outrageously large sum of money, and I certainly don't begrudge them making a profit for their efforts. It's just that if hams would just buy their own wire and parts, they would not only save money over the long run, but be encouraged to experiment with antennas. That's what I started doing about ten years ago, and I've been very happy with the results.

One of the first things that I did was to purchase ten Budwig HQ-1 center insulators and ten HQ-2 end insulators (<http://www.budwig.com/antenna-connector-insulators.html>). I've made a bunch of antennas with these insulators, including several 40m/20m inverted vees for portable use (such as Field Day and special events), a 17m dipole, and a 10m loop antenna. These insulators are very well-made, and can easily be reused, too.

Universal Radio sells the set (<http://universal-radio.com/catalog/antsup/1782.html>) for \$18.50. I just placed another order for ten HQ-1s and 20 HQ-2s (the minimum number that you can purchase to get a quantity discount). The price, including shipping, is \$143.

There are a bunch of other center insulators on the market, including:

- * The Alpha Delta Delta-C antenna hardware kit (<http://universal-radio.com/catalog/antsup/0297.html>) consists of a Delta-C Center Insulator, antenna connecting hardware, 1 SEP Arc-Plug™ static protector (installed in Delta-C) and 2 Delta-CIN end insulators. This is a little heavier-duty than the Budwig insulators, but it costs more, too (\$30 at Universal Radio). Unless you're going to be running a kW, I don't see the need to spend nearly twice as much money on these insulators.

- * The TEN-TEC ACRO-BAT Antenna Connector & Hanger (<http://www.tentec.com/products/ACRO%252dBAT-Antenna-Connector-%26-Hanger.html>) is an interesting product. Unlike the Budwig and Alpha-Delta insulators, this product does not have an SO-239. Instead, this insulator clamps over the coax and antenna wire, and in doing so, provides strain relief. I haven't tried this one, but it seems like a nice design. The cost is \$10, directly from TEN-TEC or from Universal Radio.

- * The Unadilla W2AU ANsulator (<http://universal-radio.com/catalog/antsup/0913.html>) is made from PCV tubing and include eyelets for terminating the antenna wire and for supporting the insulator in the middle. For \$15, I think I'd rather have the Budwig insulator. Also, you should be able to make one of these insulators for less than 15 bucks.

- * The Hy-Gain C-1C Center Insulator (<http://www.hy-gain.com/Product.php?productid=C-1C>) has a screw for tightening down the antenna wire, so you don't have to do any soldering, but overall, I don't think I like the looks of this model. And, at 30 bucks, it seems kind of pricey.

- * The W8AMZ Dipole Antenna Starter Kit (http://www.w8amz.com/W8AMZ_ACC_Page.html) comes a center insulator made from PVC pipe, similar to the Unadilla W2AU ANsulator and two end insulators. It costs \$18.

If none of these strikes your fancy, you can always make your own. WP4AOH has some very good instructions on how to do this using PVC pipe and fasteners that you can find at your local hardware store (<http://wp4aoh.blogspot.com/2012/07/dipole-antenna-center-insulator.html>). (con't page 15)

FCC “Paperless” Amateur Radio License Policy Now in Effect

Starting on February 17, the FCC no longer routinely issues paper license documents to Amateur Radio applicants and licensees. The Commission maintains that the official Amateur Radio license authorization is the electronic record that exists in its Universal Licensing System, although the FCC had routinely continued to print and mail hard copy licenses until February 17th.

In mid-December the FCC WT Docket 14-161 as part of its “process reform” initiatives. Under the new procedures, licensees will access their current official authorization (“Active” status only) via the ULS License Manager. The FCC will continue to provide paper license documents to all licensees who notify the Commission that they prefer to receive one.

Licensees will also be able to print out an official authorization — as well as an unofficial “reference copy” — from the ULS License Manager. **

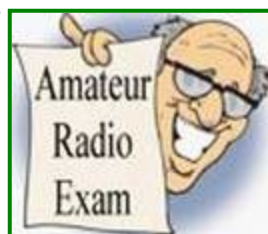
“We find this electronic process will improve efficiency by simplifying access to official authorizations in ULS, shortening the time period between grant of an application and access to the official authorization, and reducing regulatory costs,” the FCC Wireless Telecommunications Bureau (WTB) said. According to the WTB, the new procedures will save at least \$304,000 a year, including staff expenses.

**[see-article pg 13 by Dave-NO6NO-SFARC](#)

SIGN UP TO SERVE ON WILDFLOWER

The sign up sheet for members who desire to serve as support for the upcoming Wildflower event is published on page 12 of this issue. Please review it, and contact Dorothy Post at 530 865 0260, or by e mail dj@posthouse.us, to secure your desired location .

Also please, remember to tell me your desired T-shirt size, as the Wildflower staff does need that information early in their planning stage.



Caps embroidered with your name and your call sign may be ordered by contacting WA6ZRT -Gene Telephone #530 -345-3515

VEC TESTING
2:00 p.m.

April 5, 2015
June 7, 2015

AT BUTTE COUNTY
SEARCH & RESCUE
BUILDING

All Classes
Technician, General and
Extra.

Contact: W6JS
Tom Rider
530-893-9211

DEEP SPACE CLIMATE OBSERVATORY:

For years, space weather forecasters have worried about the aging [ACE](#) spacecraft, which provides early warnings of CMEs and other solar storms bearing down on Earth. Launched in 1997, ACE could fail at any moment, leaving us blind to incoming storms. On Feb. 11th, NOAA, NASA and the US Air Force launched a replacement--the [Deep Space Climate Observatory](#) (DSCOVR).

DSCOVR blasted off from Cape Canaveral on Wednesday at 6:03 p.m. EST atop a SpaceX Falcon 9 rocket. Shortly after liftoff, an American Airlines flight en route from JFK to San Juan flew past the area. Passenger Tim Leavitt pointed his iPhone out the window and captured some remarkable shots of the rocket's exhaust: "What an amazing vantage point--and a lucky shot," says Leavitt.

The spacecraft is now on its way to the [L1 point](#) where it will monitor the solar wind one million miles upstream from Earth. NOAA says DSCOVR is in good health. Its solar arrays have deployed and it is communicating with the ground. Approximately 150 days after launch, DSCOVR will replace ACE as our primary warning system for solar magnetic storms.

In addition to monitoring the solar wind, DSCOVR will also look back at Earth. The spacecraft's [EPIC](#) camera has ten filters for photographing our planet at wavelengths ranging from UV to visible light. True-color images of the full sun-facing side of Earth will be publicly available approximately 24 hours after they are taken. The first images will be posted approximately six months after launch. EPIC's observations will be used to measure ozone and aerosols, cloud height, vegetation properties and the ultraviolet reflectivity of Earth. Another instrument onboard, called [NISTAR](#), measures solar energy reflected from the sunlit face of Earth. This will help climate scientists track changes in Earth's radiation budget caused by human activities and natural phenomena.

WHAT IS SPACEWEATHER TEXT?

Spaceweather TEXT is for everyone: casual sky watchers, serious astronomers, moms, dads, students. Your account can be configured to match your interests and abilities. Spaceweather TEXT is a global service; they can phone every continent including Antarctica. Depending on the service you want to use, there is a monthly charge.

Ham radio operators use Spaceweather TEXT to learn about solar flares, radio blackouts, and space station flybys. (It's possible to listen to radio chatter from the ISS when it flies over your hometown.)

Photographers use Spaceweather TEXT to catch elusive auroras and "photo ops" involving the Moon and planets.

Casual sky watchers use Spaceweather TEXT to spot new comets, planetary alignments, and meteors showers. The sky is filled with sights that are easy to see with the unaided eye. Most people miss them simply because they don't know when to look. Spaceweather PHONE solves that problem.

Serious astronomers value Spaceweather TEXT because it connects them to Earth-orbiting satellites via their cell telephone. They instantly learn when solar flares explode, when solar wind gusts sweep past Earth, when the interplanetary magnetic field tilts south.

[www\spaceweathertext.com](http://www.spaceweathertext.com) (a fee based system)

Tube of the Month**F-328A**

In the 1920s, the ham community was small and everyone knew who the "big guns" were. Dxing was popular, but the equipment was mostly home made especially for the higher short waves. QST would run stories about working Europe from W6 on 40 meters. Don Wallace, 6AM, was one of the most famous DXers of the day. When Don's old triode (a UV206) was getting soft, he contacted 6EX in the San Francisco area. 6EX ran the National Radio Co. who made rectifiers and did some tube re-building. Don was sent a Federal F-328A that may have been rebuilt and an arc rectifier to power it. Don constructed a water jacket to cool the tube and had rubber hoses for tap water input. The output ran outside onto the driveway. The circuit was a Hartley oscillator and when conditions were good, the water came out steaming. This tube had a dissipation of 5 KW and there was much speculation as to the output power. I believe this rig was the origin of the expression "A California kilowatt". The tube was damaged in the big earthquake of 1933 and was retired. About 45 years ago, I met W6AM at a convention and the conversation led to the water-cooled tube of 1927 that seemed to be one of Don's favorite yarns.

Visit the museum at N6JV.com
Norm N6JV

F- 328 A

LOCATION	as of March 2015	Wildflower	REPEATER	T-Shirts
	Ham	Time		
9 TH AND Cypress		6:00 a.m.	GEARS	size
Bruce & Humboldt		6:00 a.m.	GEARS	
Humboldt & 32	Klaus Keil -kd6gte	5:50 a.m.	GEARS	XL
20 th & Bike Path		6:00 a.m.	GEARS	
Rest Stop & Honey Run		6:15 a.m.	GEARS	
Honey Run & Skyway		6:45 a.m.	GEARS	
Lower Coutolenc		6:15 a.m.	GEARS	
Upper Coutelenc		6:20 a.m.	GEARS	
Rest Stop @ Stirling City		6:35 a.m.	GEARS/105	
Rest Stop @ Stirling City		6:50 a.m.	GEARS/105	
Skyway & Pearson Road		7:00 a.m.	GEARS/105	
Pearson Road Rest Stop		7:15 a.m.	GEARS/105	
Pearson Road Rest Stop		7:45 a.m.	GEARS/105	
Spring Valley School Rest Stop		7:45 a.m.	GEARS/105	
Spring Valley School Rest Stop		7:45 a.m.	GEARS	
Durham-Pentz & Wheelock Road	Anna Horn	7:45 a.m.	GEARS/105	XXXL
Durham-Pentz & Wheelock Road		7:45 a.m.	GEARS/105	
Coal Canyon & Wheelock Road		8:00 to 12 .	GEARS/105	
Forbay Rest Stop		9:30 A.M.	GEARS /105	
Table Mountain Blvd		8:00 a.m.	GEARS/105	
Cherokee Road		8:20 a.m.	GEARS/105	
Durham-Pentz Rest Stop	Stephen Wolske	8:20: AM	GEARS/105	XXLT
Durham-Pentz Rest Stop	Margie Wolske	8:20 a.m.	GEARS/105	L
Ord Ferry – River Road		8:30 a.m.	GEARS/105	
Ord Ferry – River Road		8:30 a.m.	GEARS/105	
Richdale Rest stop		9:00 a.m.	GEARS	
5 th St & Pine		8:30 a.m.	GEARS	
Remote Relay		9:30 a.m.	GEARS	
Sag Wagon		7:00 a.m.	GEARS	
Sag Wagon		10:00 a.m.	GEARS	
Sag Wagon	Gene Wright (ride along)	8:00 a.m.	GEARS	
Sag Wagon		All Day	GEARS/105	
net control	Sheriff's com unit	All Day		

**Here is a helpful hint from Dave, N06NO, Sierra Foothills
Amateur Radio Club Newsletter: (via WA6ZRT-Gene Wright)**

The FCC has decided to cease issuing paper amateur licenses. The 'Official Record' of your license is the ULS listing on the FCC site.

They say it is easy to download an 'Official Copy' of your license from their site. Not True!

Anyone who tells you it is easy to download an 'Official Copy' of your License, probably has never done it or has just downloaded an 'UNOfficial Reference Copy' (and even that is not easily found)

Here is the procedure to obtain the 'Official Copy' (I downloaded a copy of my license and documented what I had to do to successfully complete the task.

Click on this link

<https://wireless2.fcc.gov/ULSEntry/licManager/login.jsp>

Enter your FRN and password.

(If you have a license, you have an FRN. Look it up in the ULS license search – If you don't know your password (they assign you a password when you get an FRN, but don't tell you what it is) click on the forgot password and then select a security question. You may need to wait for an email from the FCC with a link that allows resetting password and selecting a security question)

Click Submit

Click on your Call Sign

Click on Download Electronic Authorizations on the left hand menu

Your License will appear in the 'Filter by Radio Service Box'

Click to highlight it

Click add

Click to highlight your license

Click the Download Button

Your "official copy" License will appear in a PDF

Print it.

Have Fun. Dave, N06NO.

Registration is OPEN!

May 1, 2 & 3, 2015

ARRL Nevada State Convention at Boomtown Casino Hotel! Reno, Nevada

Convention Highlights

General Sessions \$25.00 Fri/Sat/Sunday Before April 30th. \$30.00 at the Door.

- **As low as \$29.99 (plus tax) Special Hotel Rate at the Boomtown Casino Resort (book soon as rate and rooms are limited!)**
- **KOA RV Park starting at 27.99 with a store, pool and great views of the Sierra Nevada**
- **Friday Night BBQ at the Orchards with views of the Sierra Nevada**
- **West coast CW Enthusiasts' Confab Sessions and Dinner**
- **Get Your License in a Day (\$35.00) - Saturday**
- **Exhibitors & Ham Swap - Saturday**
- **Saturday Night Banquet (\$33.00) and Entertainment**
- **VE Examinations**
- **Special Events Station**
- **Cabela's located across the parking lot for those sports enthusiasts and much more.**

Please visit <http://nvcon.org> for the latest information about the convention.

See you in Reno, Nevada at Boomtown Casino Hotel

Sunday, April 5, 2015 June 7, 2015	2:00 p.m.	VEC—Exams	Butte Co. Search & Rescue Building 2591 Morrow Lane, Chico	Tom Rider-W6JS 530 893-9211
Wednesday March 11, 2015	6:00 p.m.	GARS-Glenn Glenn Amateur Radio Society General Meeting, & Amateur Radio Emergency Services	Lutheran Church Hall: 565 Main Street Artois	Albert Leyva- N6YCK 530-567-5979
Friday, March 13, 2015	7:00 p.m.	OARS Oroville Amateur Radio Society General Meeting	St Paul's Church Parrish Hall 1430 Pine Street Oroville	Gary Clark KF6EWO 530-534-7435
Friday March 20, 2015	7:00 p.m.	GEARS Golden Empire Amateur Radio Society General Meeting	Butte County Search and Rescue Building 2591 Morrow Lane Chico	Anna Horn -kg6zoa 530-877-5939
Friday March 27, 2015	7:00 p.m.	Butte Co . ARES	Butte County Search & Rescue Building 2591 Morrow Lane Chico, CA	Scott Petersen KE6VUS 530-876-1526

John Stettler-KI6DWP– Section PIC, reminds us:
that the International DX Convention is in Visalia, California, April 16-19,
and advance registration ends on April 8. 73.

[illegible]

**SPRING FORWARD-
SUNDAY, MARCH 8TH, TIME CHANGE!!!!**

ITEM OF NOTE: THERE WILL BE A TOTAL SOLAR ECLIPSE ON MARCH 20TH.



